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The GW Campus as a Work of Art



Detail, Trustees Gate, H Street

Left without external resources, the College [Columbian] would ultimately find its endowment in its location. Its capital would accumulate as the capital city came more fully to appreciate having a nearby educational institution unswervingly responsive to its needs.

These words are from the book entitled *From Strength to Strength:* A Pictorial History of The George Washington University 1821–1996, and they probably understate the complexity of the long relationship between GW and its urban setting. The District of Columbia is, after all, a municipal entity that is more tightly planned and contained than any other American city. It often strikes observers as an enormous campus in its own right, whose radiating and intersecting avenues and boulevards set up a counterpoint with the individualism of many of its buildings.

To start out with the original Columbian College building on College Hill, to reach the GW campus in Foggy Bottom, and to move on to an academic structure that includes Mount Vernon College and GW's Virginia campus—this has inevitably subjected to compromise ideals of pattern and order, as the urban space of the University has been fitted into the urban space of the University's home city.

The process continues to the present moment. It gives GW an open-ended character that contrasts its fixed points with its ultimately fluid boundaries. The difficult question to answer is whether the result qualifies as a work of art in the sense suggested by Thomas A. Gaines's book *The Campus as a Work of Art* (Praeger, 1991). Do we possess an aesthetic language that can accommodate a school engaged in a two-century dance of sorts with the community that depends on it—and upon which it, in turn, depends?

The paradox of GW is that the campus exists in a symbiotic tension within the city—with each entity exerting a pull on the other.

As every potential student and faculty member knows before coming here, one of the most attractive features of GW is its position within the District of Columbia and the many roles to which that position has inevitably led. GW is, uniquely, a part of its city. The University is *in* the city, and it is *of* the city.

On the one hand, GW prizes the easy back-and-forth between its classrooms and the rest of the District. From the departments and divisions of the federal government and a host of foreign embassies and international headquarters, guest-lecturers and consultants of all kinds flow onto the campus, while student-interns and faculty researchers flow out to Washington's libraries, museums, government buildings, and other facilities. But there is a contrary



Clock, Class of 1937, 21st and G Streets



Seating, Stuart Hall, 2013 G Street



Detail, "GW's River Horse," 21st and H Streets

pull as well. Like other campuses, GW seeks to be a peaceful, scholarly haven for those who are associated with it. That, in turn, suggests a certain interruption to the flow that gives the campus an integrity and protectiveness of its own.

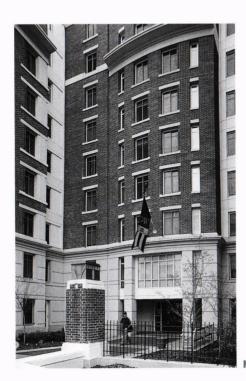
Recent years have witnessed a series of steps intended to give the campus an integral visual identity and life. Pennants permanently mounted on our lampposts, busts of George Washington, new building markers, directional signage, and similar street furniture help see to it that tourists now know where they are when they find themselves on campus. Such features help

to set the campus off as a distinctive part of Foggy Bottom. Similarly, the glorious plantings on campus—the weeping cherries, the wisteria draped on the wall at Lisner Auditorium, the exuberant rose garden, the surprise of the blocks of bird houses—pull the GW campus together and add to its concept as a work of art. These have become central to the University community's perception of its own identity, particularity, and even charm, as well as being central to visitors' perceptions of the University.

The streets of Washington, which once dominated and in many ways dissolved our campus, remain architecturally critical to GW. Not only do they permit important and not-so-important people to move through us and around us as they move to their non-GW destinations, but also they provide smooth access for the many visitors who help make GW what it is—the ambassadors, agency heads, and foreign visitors who come here to lecture, to consult, and to help us stay in touch with matters of national and international importance. The logic of our connections with the rest of the world favors a fully open campus even as the logic of our inner needs—inner in several senses of the word—favors a



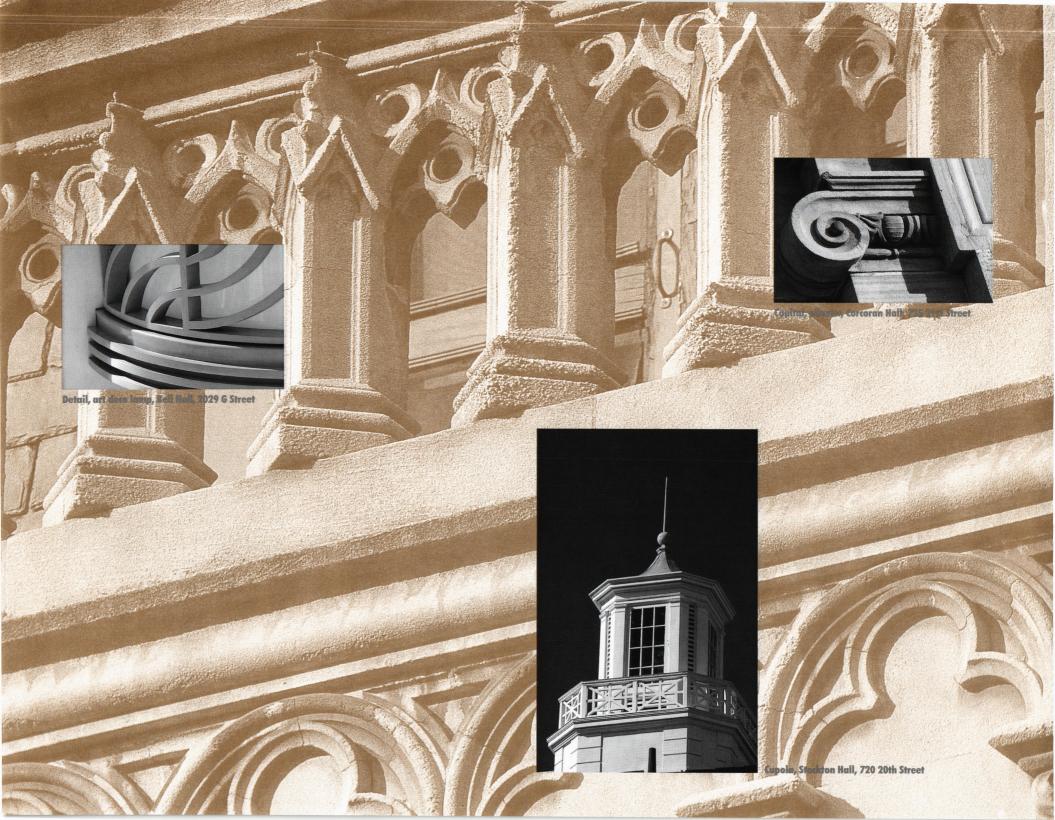
Detail, stained alass window, 814 20th Street



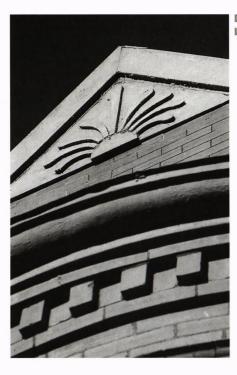
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Ornamentation, 2129 G Street

New Hall, 2350 H Street



Detail, bas relief on pediment, Law School, 2003 G Street



A campus-wide landscape program adds year-round color





Detail of dentils, cornice, and pediments over dormer windows, 2000 G Street

stress-reducing escape from the often frantic mood that is synonymous with the District's energy.

Inner needs notwithstanding, GW has never accepted the idea of "campus" that has shaped so much American romanticism. Has anyone ever counted all of the American campus quadrangles and leafy bowers that have been based, ultimately, on European models? Ideals traceable to the paintings of Constable and the customs of the Middle Ages can be found, easily enough, on college and university campuses from the East Coast to the West Coast. But they

would look out of place here in Foggy Bottom, so close to the White House, the Mall, and Capitol Hill.

Instead, GW's main campus can be said to contain within its fluid boundaries three different examples of a typical American campus—the university as a landscape or idealized park unto itself, the university as a self-contained urban or suburban "adjunct," and the university as an integral part of its city, sharing streets and urban patternings with all Washingtonians. But a campus with so much breadth also risks the suspicion that it consists of a series of

unplanned architectural accidents, dictated by forces beyond its control. And its painterly paradigm may be not Constable but Jackson Pollock—or even Mondrian!

GW's campus as an "action painting": Is the result balanced?

One of the key words that runs through books and articles on the aesthetic aspects of academic life is the word "planning." The disposition of architectural space, it implies, is a dramatic and conscious act that permanently aligns certain features with certain other features. But GW's experience tends to suggest otherwise. As we have



Detail, banister, Lisner Auditorium, 730 21st Street



Sculpture, stainless steel, Joe Moodey, 1998, 21st and G Streets





already seen, our campus favors metaphors of flow rather than those based on static disposition. And even when we focus on the rectangles shaped by its streets, we can see how they are interrupted and enlivened by bursts of color, of unexpected street life, and of human movement.

Students and faculty move along our streets in patterns ultimately based on GW's schedules of classes, office hours, and dining facilities. Our streets, like most of those in a busy urban setting, consist of straight lines. Across them and along them, however, run rivers of pedestrian traffic that

are imbued with a certain, almost musical, dynamism. Between the geometry of our streets and the verticals of the buildings that line them on the one hand, and the uneven spontaneity of our human element on the other, there is a feeling of balance and reciprocity. It directly supports the sense of community and interrelated accomplishment for which every university strives.

Though G Street or H Street cannot move an inch in the absence of huge machines and determined sledgehammers, the streaming pedestrian traffic creates all kinds of tidal backwaters and unexpected points of rest. Here, three students are having an unexpected conversation while standing absolutely still. There, people who were headed for Gelman Library decide instead to have coffee at the Marvin Center. The current of pedestrian traffic adapts accordingly. The collective sense of movement plays off against the individual decision to do otherwise.

But, of course, metaphors of flow can be pushed too far. The people who inhabit a university campus also need the kinds of fixed points that architecture has always sought to provide. At GW, fixed points of

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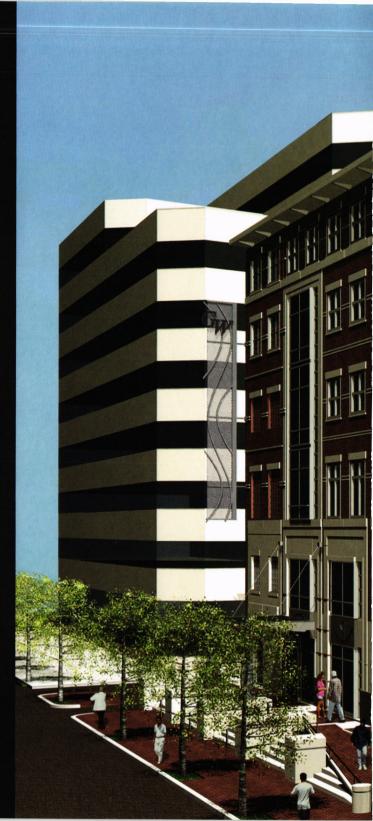


Media and Public Affairs Building

The new media and public affairs building is expected to be open for occupancy by late in the year 2000. The six-story building with three cellars is 80 feet high at the parapet and was designed with a red brick facade on a limestone base. Constructed on a 26,000-square-foot lot in the heart of the GW campus at the corner of 21st and H Streets, the building will provide a closure piece to the north side of the University Yard across H Street. Two of the underground levels provide parking.

Academically, the building will be the center for the media and public affairs program. Through the Columbian School of Arts and Sciences, media and public affairs offers programs of study in journalism, radio and television, and political communication.

Related undergraduate and graduate programs offered through other GW schools include public policy, telecommunications, political management, and public administration. GW Television will house its administrative offices and a teleconferencing venue in the building, and the University's gallery also will occupy exhibition, storage, and office space there. A 258-seat auditorium, classrooms, and seminar rooms—as well as faculty and staff offices—will be located in the building, which was designed by KCF-SHG, Inc.





The Law School Addition Project

The Law School addition project involves both new and existing space. Plans call for interior renovation and exterior restoration of a pair of townhouses, which are on the Historic Register, located at the corner of 20th and G Streets, NW. Design and construction of an infill addition between these townhouses and the existing Burns Law Library, as well as a small addition at the 4th and 5th floors and penthouse of Burns, also are planned.

The new spaces will consist of student study rooms, faculty and administrative offices, conference rooms, and support areas. The total project square footage is approximately 25,000.

The Law School addition project, designed by architects KressCox Associates, P.C., is scheduled for Summer 2001 occupancy.





Health and Wellness Center

GW broke ground in February 1999 for a new, 189,000-square-foot Health and Wellness Center on the GW campus. The new building, which will be used by GW students, faculty, and staff, will be located on the corner of 23rd and G Streets, NW. The seven-floor recreation and sports complex will include three floors of underground parking for 108 vehicles; it was designed by the architectural firm of Ayers Saint Gross.

The building will feature two air-conditioned, two-court gyms marked for basketball, vollevball, and badminton play; a three-lane suspended jogging track with a synthetic "sports surface" for year-round use; six regulation raquetball/squash courts with glass back-walls; a multi-purpose room for aerobics classes, wrestling, martial arts, and fencing; and a fitness center equipped with stair machines, stationary bicycles, and other aerobic and cardiovascular-health machines. The building also will have locker rooms and a juice bar. The Health and Wellness Center is scheduled to be ready for occupancy by November 2000.





Mount Vernon College Playing Fields Construction

Enhancing the facilities for athletics at The George Washington University at Mount Vernon College will create renewed liveliness and competitive zest—as well as bringing a different kind of art form to a GW campus. Among planned construction projects are the following:

An NCAA-regulation soccer field to replace the existing non-compliant field with state-of-the art natural turf surface and a scoreboard;

A new NCAA-compliant women's softball field with dugouts, fencing, and spectator area;

A new intercollegiate area consisting of locker rooms/showers, meeting rooms, visiting coaches' offices, and pre-game/ post-game interview areas;

12 open-air tennis courts, with bubbles for winter play;

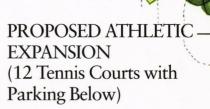
Underground parking for approximately 175 cars;

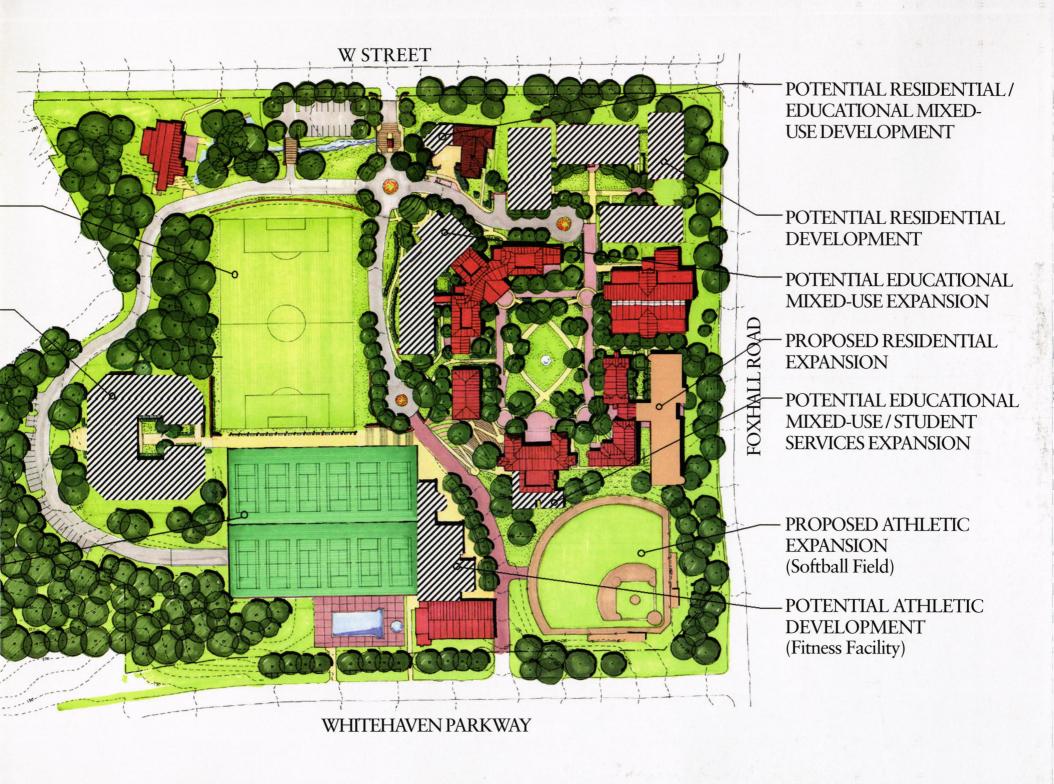
A new health and wellness component consisting of weight rooms, aerobics studios, lockers and showers, offices, and snack bar; Modifications to the existing gym, which will be used for recreational and intramural activities, include a racquetball court, upgraded lighting, and offices; and

Demolition of the existing student gathering area (the "Pub") and relocation of a similar facility on campus in Ames Hall. The work requires significant infrastructure amendments (utility relocations, telephone re-routing, stormwater modifications), and road widening, with increased parking, security lighting, and landscape replacement. Clough Harbour & Associates, in association with Cannon, designed the Mount Vernon College project.

EXISTING SOCCER — FIELD REALIGNMENT

POTENTIAL RESIDENTIAL DEVELOPMENT

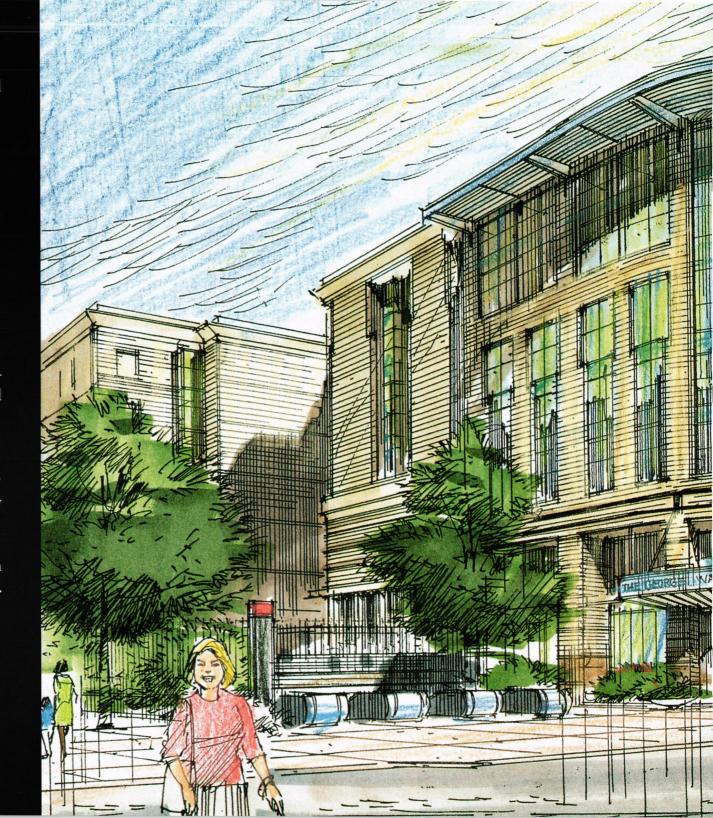


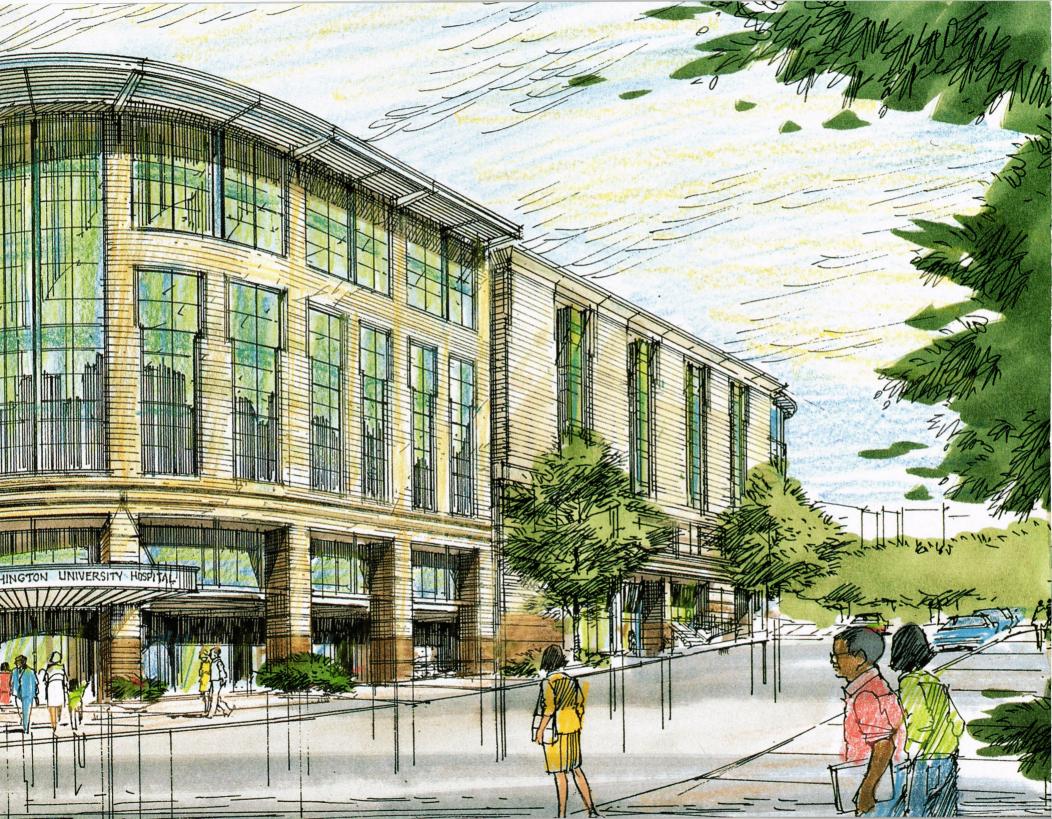


The George Washington University Hospital

The George Washington University Hospital has, since July 1997, been jointly owned by the University and Universal Health Services, Inc., the nation's third largest publicly held hospital management company. The replacement hospital shown here, designed by the architectural firm of HKS, Inc., will be located at Washington Circle. It will occupy the block bordered by 23rd Street, New Hampshire Avenue, and Eye Street, adjacent to the Foggy Bottom Metro station and just across 23rd Street from the current hospital.

Featuring state-of-the-art medical and information technology, the hospital is scheduled to be home to mainly private rooms, an emergency services area nearly twice the size of that in the current hospital, and operating room suites located adjacent to recovery areas, catheterization labs, and angiography suites. The hospital's third floor will be dedicated to women's health, including labor, delivery, recovery, and post-partum care, with nursery and neonatal intensive care facilities.







Detail, grihitectural friezo, 2129 6 Street



Academic Center, H and 22nd Streets

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Otroil Marke bust of George Washington, Avard 1,3755 Marks, 1977, Eye and Rist Streets

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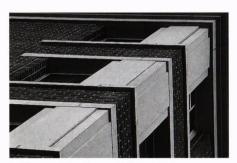
this kind are created by small artistic features, many captured by the photos in this report, that provide a sense of enduring stability even as their appearance responds to changing times of day that in turn produce changing patterns of sun and shade. "That statue looks especially impressive today!" might be a typical observation. "Don't those daffodils show up well against that stretch of granite?" might be another.

GW, like so many other urban campuses—including those in Boston, New York, or Los Angeles—thrives on the combination of campus traffic and city traffic. Here the

campus may experience a grand total of flow and movement. Much of it consists of people who only happen to be passing through, like a lawyer walking from an office on K Street to a concert at the Kennedy Center, or the government worker stopping at a campus street vendor to buy lunch. GW's pedestrian traffic also has a directed feeling. Those involved in it are mostly people with some kind of business on campus, be it teaching, learning, or guest-lecturing. The streets whose cars keep us on the sidewalk are shaping elements, like the edges of the canvas on which Jackson Pollock was creating his unexpected and ultimately harmonious dazzle. Or these human movements can be compared to a Mondrian painting in which our tendency to follow the lines is interrupted by our tendency to track the colors.

The sense of neighborhood surveillance.

When Jane Jacobs published her classic work entitled *The Death and Life of Great American Cities* (Random House, 1961), the passages that received an unusual amount of notice were those that described residential life on New York City's Hudson Street, where Jacobs lived. (She eventually moved to Toronto in her quest for the perfect urban location.) On Hudson Street,



Architectural detail, New Hall, 2350 H Street



Detail, waste receptacle, campus-wide street furniture program



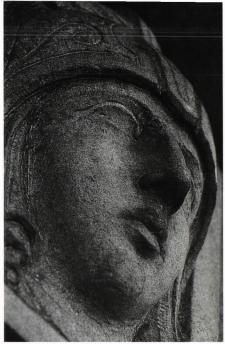
Detail, monumental wall, Washington Circle entrance to Foggy Bottom campus



Art deco bas relief, portico, Munson Hall, 2212 Eye Street



stair tower, Academic Center, 801 22nd Street



Detail, bas relief figure, Stockton Hall, 720 20th Street

she insisted, the clichéd risks of urban life seemed to melt away. Even a child riding a tricycle along the sidewalk was being observed, unknowingly, by the neighbors looking out of windows along the street. Such patterns of eyes on the street added a human form of security to certain urban areas, Jacobs pointed out, and lifted the discussion of personal safety beyond issues having to do with a police presence.

GW embodies at least some of her insights. As we have created a growing number of

facilities, in Gelman Library and elsewhere, that are open all night or late into the night, we also have seen to it that our campus is "alive" on a 24-hour basis. Basketball half-courts fill the niches between campus buildings; students walk just off campus to late-night eating spots or shopping venues. The result, inevitably, is to discourage crime. Not only do campus citizens benefit from this, but our Foggy Bottom neighbors, too, see the positive effect of the "patrol" of students, faculty, and staff walking through the streets.

In addition, our security personnel do, of course, make use of properly located video cameras, and they provide escorts for those moving across the campus late at night. And yes, we are always subjecting our established security measures to new levels of critical attention. But, by helping to ensure a steady and pervasive use of campus facilities, we have seen to it that the practices of our security personnel are seconded by the eyes of other members of the GW community.



18,000 tulips announce Spring, campus-wide landscape program



Detail, teak bench, Academic Center Breezeway, 801 22nd Street





Security considerations also interact with our plans for additional intracampus construction, including the Law School extension and the Wellness Center. Facilities like these, in addition to serving GW's established needs, also will create nodes of activity that will help to make our campus an even safer place, while increasing the security of our neighborhood as well.

The ultimate test: How does it feel to you personally?

Campuses can be looked at in many ways, most of them based on the purely aesthetic responses of the one-time visitor. But the most important test of a campus is how it affects the lives of the people who actually live there, or work there as commuters. For those who spend most of their lives within its boundaries, a campus must provide the usual basics—food, clothing, shelter—while adding the academic basics (books, Web connections, classrooms, and exhibition space) and while providing the most elusive quality of all: charm.

"Charm" may seem like a totally abstract quality to the occasional or one-time visitor. For those who spend most of their working lives on a campus, the presence or absence of charm is unmistakable. As they emerge from a campus building—whether it be a residence hall or a structure full of classrooms and offices—they either feel good about the campus that unfolds before their eyes or they feel indifferent and even sad.

Here, small details can make a great difference. Touches of beauty or distinction, when they are folded into an individual lifestyle, typically play a sustaining role that accumulates over time, making a campus into a

place of pleasure as well as function and achievement. The ultimate test of a campus is, therefore, how one feels when leaving it, and when returning to it. Coming to and going from GW, one leaves with a touch of reluctance and returns with a touch of joy.

For GW, the campus as a work of art faces yet one more challenge: the existence of the separate GW campuses at Mount Vernon College, in the District's Foxhall neighborhood, and in Virginia. In no way do these important facilities share a visual unity with our Foggy Bottom campus. Rather,

they extend the sense that GW "stretches" to accommodate the entity usually referred to as Greater Washington. Those who travel back and forth between the main campus and its satellites may well have feelings of dialectical stimulation, as the differences in architecture and environment help to make the day more interesting. And, not seeking to box in the future generations that will be responsible for the University's well-being, we can say the openness at the edges that characterizes today's GW will enable future growth to take place on its own terms, rather than on terms mandated by us.

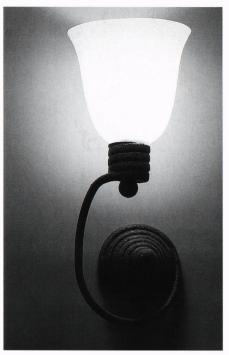
As the metropolis of Washington becomes more and more the world's focal point, we find the city marked by a round-the-clock relentlessness, punctuated by multiple camera crews and news anchors, motor-cades of visiting dignitaries with flagwaving limousines, concerts on the Mall around national holidays, and throngs of visitors climbing the steps of museums and memorials. In many, many instances, these people and vehicles traverse the city by crossing the streets and sidewalks that intersect with GW's campus, providing



Brick pavement, Corcoran Hall, 725 21st Street



Detail, terra cotta ornamentation,
John Quincy Adams House, 2129 Eye Street



Lamp, "J-Street" Food Court, Marvin Center, 800 21st Street

a rich urban aura for the eyes, ears, and minds of students, faculty, and staff who are in quest of sensory excitement. This world is not a serene pastoral landscape, but rather much more of a pulsating action painting. Complacent and static it is not, but rather quite comfortable in its energetic eclecticism.

Earlier in this report, I alluded to Thomas A. Gaines's book *The Campus As a Work of Art*. In it, Gaines defines a "good campus" as "a group of harmonious buildings related by various means (such as arches and landscaping) that create well-proportioned

and diverse urban spaces containing appropriate furnishings—benches, pools, fountains, gazebos, and walkways." Though GW's campus is not rich in gazebos and fountains, its long dialectic with the surrounding city has helped to create an ambience that conforms to the essence of Gaines's definition.

As Gaines and other observers have long noted, many of our nation's college and university campuses have an artless or even a haphazard look: "This was put here because...well, I'm not really sure why it was put here." In contrast, GW has, most observers would agree, a thought-through

look. Its parts are related to each other in ways that make sense, even as they provide untrammeled access to the very thought-through District of Columbia. Turn-of-the-century buildings happily coexist with modernist structures. GW's oldest building, Woodhull House, dates from before the Civil War; most of the campus's row houses were built between 1900 and 1920; and at least 10 important University facilities are designated historic, including Alumni House, Woodhull House, Stockton Hall, and Corcoran Hall. The University's newest structures—New Hall (GW's first newly constructed residence hall since 1937) and



Blossoms on one of 33 street trees planted this year, with plans for an additional 22 in 1999, campus-wide landscape program



Detail, patio railing, Lisner Hall, 2023 G Street



Detail, bronze casting, statue of George Washington, Jean-Antoine Houdon, 1788, University Yard, H Street



the four new buildings featured on pages 8-17 of this report, have been designed to aesthetically unite the campus and the Foggy Bottom neighborhood. Functional and highly pleasing, these welcome additions will enhance our environment for all who work, teach, and learn here.

And, as we move across and through the campus, we can feel its combination of order and variety, structure and spontaneity, stasis and movement, effort and contemplation. It looks like a campus to which considerable attention has been paid. GW gives the impression of an institution that is thoroughly capable of applying intelligence and the sense of beauty to itself as well as to subjects of scholarly analysis.

And what of our dreams for the campus's future? One goal in particular is greater rationalization of the way we use our space. We have been working on it, but in many cases we have had to "make do" in all our years here in Foggy Bottom, putting people and departments where they would fit rather than where they most needed to be. Now, however, as buildings are obtained

and built, it may be possible—within our children's lifetimes, if not our own—to imagine such luxuries as the Law School housed in adjoining buildings, perhaps those surrounding the University Yard. We are already taking steps to house the Elliott School of International Affairs within good proximity to its natural government partner, the U.S. Department of State. We want no less for each of our academic schools. It will take time. But with the commitment and vision that have brought us this far, the great leaps of the future will take place within rather than against the grain of GW's very pleasing, gently dynamic, and fully balanced campus.

Stephen Joel Trachtenberg President and Professor of Public Administration



In whatever form scholarly endeavors take, they can be used by faculty to ignite a sense of excitement in the classroom.

Excellence in the creation, dissemination, and application of knowledge is critical to fulfilling the mission of the University. It is through faculty scholarship that we provide a stimulating intellectual environment for our students, and extend beyond our campus boundaries to make a contribution to the larger society.

Originality and expressiveness, thorough study, and deep inquiry all play a role in the broad range of scholarship pursued by our faculty. In whatever form scholarly endeavors take, they can be used by faculty to ignite a sense of excitement in the classroom. Incorporating scholarly passion, discussing the creative process, illustrating how top-flight scholarship is achieved, and debating the methods of inquiry best used in research are examples of ways in which learning can be stimulated through the integration of scholarship in teaching.

Due to the volume of scholarly projects in 1997–1998, the bibliography in this report reflects a limited selection of faculty works. Such selectivity does not diminish the impressive compilation that is indicative of the vibrant and productive scholarly enterprise at GW.

Donald R. Lehman Vice President for Academic Affairs

University Professors

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Kenneth F. Schaffner: "Genes, behavior, and developmental emergentism: One process, indivisible?" *Philosophy of Science*.

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Eric Dent: "The implications of world view for organizational learning." Presented at the Academy of Management's Midyear Conference on "Organizational Learning: Moving from Theory to Research."

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Jeffrey C. Anderson: "Byzantine manuscript illumination and its relationship to social change." Presented as the Daniel H. Silberberg Lecture: Institute of Fine Arts, New York University.

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Chemistry

S.B. Barone, M.A. Zondlo and M.A. Tolbert: "Product study of the hydrolysis of CIONO2 on type 1a polar stratospheric cloud materials at 185 K." *Journal of Physical Chemistry*.

Michael King, L.A. Cohen, R. Jain and N. El-Kadi: "Synthesis of 2-substituted histidines and histamines." *Proceedings of the 24th European Peptide Symposium*.

M.A.T. Marro, M.P. Pivovarov and J.H. Miller: "Strategy for the simplification of nitric oxide chemistry in a laminar methane/air diffusion flamelet."

Combustion and Flame.

A. Montaser: Editor, *Inductively Coupled Plasma Mass Spectrometry*. Wiley-VCH.

Vivek Navale, Dan Harpold and Akos Vertes: "Development and characterization of gas chromatographic columns for the analysis of prebiological molecules in Titan's atmosphere." *Analytical Chemistry*.

William E. O'Grady, David E. Ramaker and Zianghong Qian: "Systematic chemical effects observed in atomic X-ray absorption fine structure." *Journal of Physical Chemistry*.

Hideo Sambe: "Quantitative interpretation of K-edge NEXAFS data for various nickel hydroxides and the charged nickel electrode." *Journal of Physical Chemistry*.

M. Shahgholi, J. Callahan, B. Rappoli and D. Rowley: "Investigation of copper-saccaride complexation reactions using potentiometry and electrospray mass spectrometry." *Journal of Mass Spectrometry*.

R.M. Tarkka, X.L. Chen and S.A. Jenekhe: "Electroactive and photoactive nanostructured materials from self-organizing rigid-rod copolymers: Synthesis and electroluminescent devices." *Photonic and Optoelectronic Polymers*. ACS Symposium Series.

Michael J. Wagner: "Nanoscale materials by alkalide reduction." Presented at Nano98, Stockholm, Sweden.

Classics

Elizabeth A. Fisher: "Nikephoros, patriarch of Constantinople, in word and image." Presented at the 23rd Annual Byzantine Studies Conference.

John E. Ziolkowski: "The bow and the lyre: Harmonizing duos in Plato's *Symposium*." Presented lecture at the Classical Association of the Midwest and South.

Communication

Roy Berko, et al.: Communicating: A Social and Career Focus. Houghton Mifflin.

Clay Warren: "Writing in water: A life in folk high school education." Option:

Journal of the Folk Education Association of America.

East Asian Languages and Literatures

Jonathan Chaves and J. Thomas Rimer: Japanese and Chinese Poems to Sing: The Wakan Roei Shu. Columbia University Press.

Shoko Hamano: "On Japanese quantifier floating." *Directions in Functional Linguistics*. John Benjamins.

George C.Y. Wang: "President Lee Teng Hui's Political Reforms." Presented at the Republic of China Political Conference.

Economics

Bryan Boulier and Robert Goldfarb: "On the use and nonuse of surveys by economists." *Journal of Economic Methodology*.

Joseph J. Cordes and Burton A. Weisbrod: "Differential taxation of nonprofits and the commercialization of nonprofit revenues." *Journal of Policy Analysis and Management.*

Robert Goldfarb: "Now you see it, now you don't: Emerging contrary results in economics." *Journal of Economic Methodology*.

Sumit Joshi: "A framework to analyze comparative dynamics in a continuous time stochastic growth model." *Economic Modeling*.

Frederick Joutz: "Short- and long-run elasticities in U.S. residential electricity demand: A cointegration approach." *Energy Economics*,

John Kwoka, Jr.: "The price effects of bidding conspiracies: Evidence from real estate auction 'knockouts." *Antitrust Bulletin*.

Pamela Labadie: "Aggregate fluctuations, financial constraints and risk sharing." *Economic Theory.*

Arun Malik: "Instrument choice when firms and regulators bargain." *Journal of Environmental Economics and Management.*

Donald O. Parsons: "A theory of job skill development: A message model of task learning." Lecture presented at Copenhagen Business School, University of Copenhagen.

Robert Phillips: "Partially adaptive estimation via a normal mixture: Some further Monte Carlo evidence." *Communications in Statistics: Simulation and Computation.*

David Ribar, Daniel Lichter and Diane McLaughlin: "Welfare and the rise in female-headed families." *American Journal of Sociology*.

Stephen C. Smith, Beom-cheol Cin and Milan Vodopivec: "Privatization incidence, ownership forms, and firm performance: Evidence from Slovenia." *Journal of Comparative Economics*.

Harry Watson and Avi Dor: "The welfare implications of alternative insurance contracts in the mixed for-profit/non-profit hospital market." *Southern Economic Journal*.

Anthony Yezer and J.J. Cordes: "In harm's way: Does federal spending on beach enhancement and protection induce excessive development in coastal areas?" *Land Economics*.

English

Marshall Alcorn, Jr.: "Liberty, violence and the pursuit of objects of happiness." Presented at the Third Annual Conference of the Association for the Psychoanalysis of Culture and Society.

Vikram Chandra: "National anthems." *Time Magazine*.

Patricia Chu: "*Tripmaster Monkey*, Frank Chin, and the Chinese heroic tradition." *Arizona Quarterly*.

Jeffrey J. Cohen: "Dwindling masculinity in Chaucer's *Tale of Sir Thopas.*" *Masculinities in Chaucer*.

Robert Combs: "Slaughtering lambs: The moral universe of David Mamet and Wallace Shawn." Presented at David Mamet at 50: A Conference and Celebration.

Miriam Dow: "A postcolonial child: Achebe's *Chike* at the crossroads." *Children's Literature Association Quarterly.* David McAleavey: "Mayo, ham and cheese." *Ploughshares*.

Robert McRuer: The Queer Renaissance: Contemporary American Literature and the Reinvention of Lesbian and Gay Identities. New York University Press.

Judith Plotz: "In the footsteps of Aladdin: DeQuincey's *Arabian Nights*." Wordsworth–Coleridge Association Panel on DeQuincey, MLA Conference.

Ann Romines: Constructing the Little House: Gender, Culture and Laura Ingalls Wilder. University of Massachusetts Press.

Linda Salamon: "Theory *avant la lettre*: An excavation in early modern English." Presented at the Histories of Theory Conference.

Robert Samuels: *Hitchcock's Bi-textuality:* Lacan, Feminisms, and Queer Theory. State University of New York Press.

Evelyn J. Schreiber: "Imagined Edens and Lacan's lost object: The wilderness and subjectivity in Faulkner's *Go Down Moses*." *Mississippi Quarterly*.

Jane Shore: *Music Minus One*. Picador USA.

Christopher Sten: "Melville's cosmopolitanism: A map for living in a (post-) colonialist world." *Proceedings of Melville "Among the Nations": An International Conference.*

Gayle Wald: "Mezz Mezzrow and the voluntary Negro blues." *Race and the Subject* of Masculinities. Duke University Press.

English as a Foreign Language

Sigrun Biesenbach-Lucas and Donald Weasenforth: "The appropriateness of e-mail in composition instruction: A linguistic and rhetorical analysis." Les Nouvelles Technologies Educatives Dans L'apprentissage des Langues Vivantes: Refléxion Théorique et Applications Pratiques, Véronique Darleguy, Alex Ding and Maria Svensson, eds. Centre de Resources en Langues.

John K. Donaldson, Jr.: "The teaching of English as national and international language: Controversial issues, real needs, pragmatic solutions." Presented to the V Seminario Científico sobre la Calidad de la Educación.

Christine Meloni: "Let's meet in Cyberspace." Keynote Address at the 24th Annual Congress, Association of Language Teachers in Argentina.

Shirley Thompson and Patrice Connerton: "Grading issues in process-oriented writing courses." Presented to the Teachers of English to Speakers of Other Languages (TESOL) 1998 Convention.

Forensic Sciences

James J. Deploey, Charles E. O'Rear and Gerald C. Llewellyn: "Some fungal toxins can affect the percent germination and germ tube elongation of rhizomucor miehei sporangiospores." *Journal of the Pennsylvania Academy of Science*.

Walter F. Rowe, Richard A. Baltzersen and William A. MacCrehan: "Collection and analysis of gunshot residue by supercritical fluid/micellar electrokinetic capillary electrophoresis (SFE/MECE)." Presented at the Annual Meeting of the Mid-Atlantic Association of Forensic Scientists.

Geography

Douglas O. Fuller: "The influence of canopy strata on remotely sensed observations of Savanna woodlands." *International Journal of Remote Sensing*.

John Lowe: "Patterns of spatial dispersion in metropolitan commuting." *Urban Geography*.

Dorn C. McGrath, Jr.: "Infrastructure: The nation's backbone or Achilles' heel?" *The Periclean*.

Marie Price, et. al.: "Latin American environmentalism: A comparative view." *Studies in Comparative International Development.*

Geology

Christopher M. Fedo: "Paleoclimatic control on the composition of the paleoproterozoic serpent formation, huronian subgroup, Canada: A greenhouse to icehouse transition." *Precambrian Research*.

William Logan: "Microdepression-focused recharge in a coastal plain, La Plata, Argentina." *Journal of Hydrology*.

Frederic R. Siegel: "Geochemistry, metal toxins and development planning." *Environmental Toxicology: Current Developments*, J. Rose, ed. Gordon and Breach Publishing Group.

C.W. Sinton, R.A. Duncan, M. Storey, J. Lewis and J.J. Estrada: "An oceanic flood basalt-province within the Caribbean." *Earth and Planetary Science Letters*.

George C. Stephens, F.E. Nullo and J. Otamendi: "Geochemical evolution of the neogene volcanic arc in Southern Mendoza Provence, Argentina." *Transactions of the VIII Chilean Geological Congress*.

German and Slavic Languages and Literatures

Margaret Gonglewski and Ann Penningroth: "German graduate student professional development: Report on a survey of perceptions." Die Unterrichtspraxis.

Richard Robin, Joanna Robin and Kathryn Henry: Galosa: A Basic Course in Russian. book 1, 2nd ed. Prentice Hall.

Juras Ryfa: "The barbarian in the garden: Zbigniew Herbert's metapoetics of time and space." Presented at the 29th National Convention of the American Association for the Advancement of Slavic Studies.

History

Tyler Anbinder: Fellowship for University Teachers awarded from National Endowment for the Humanities.

William H. Becker: "'Lean and mean': Corporate restructuring and the resurgence of the American economy in the 1990s." Center for Advanced Studies, National University of Singapore.

Nathaniel Comfort: "Bringing up Barbara: The maturation of controlling elements." Presented at the Symposium on Prematurity in Science, University of California, Berkeley.

Cynthia Harrison: "Women in Congress." The Reader's Companion to U.S. Women's History. Houghton Mifflin.

R. Emmet Kennedy, Jr.: "Taste and Revolution." Canadian Journal of History.

Linda Levy Peck: "Constructing a new context for Hobbes studies." Politics and the Political Imagination in Later Stuart Britain: Essays Presented to Lois Green Schwoerer, Howard Nenner, ed. University of Rochester Press.

Leo P. Ribuffo: "'Malaise' revisited: Iimmy Carter and the crisis of confidence." The Liberal Persuasion, John Patrick Diggins, ed. Princeton University Press.

Mathematics

Irfan Altas and Murli M. Gupta: "High accuracy multigrid techniques for the biharmonic equation." Mathematical Modeling and Scientific Computing.

F. Baginski, W. Collier and T. Williams: "A parallel shooting method for determining the natural shape of a large scientific balloon." SIAM Journal on Applied Mathematics.

Joseph E. Bonin: "Critical exponents and size functions for classes of representable geometries." XXIV Ohio State-Denison Mathematics Conference.

Valentina S. Harizanov: "Turning degrees of certain isomorphic images of computable relations." Annals of Pure and Applied Logic.

I. Hoste and Józef H. Przytycki: "Tangle surgeries which preserve Jones-type polynomials." International Journal of Mathematics.

Yongwu Rong and W.B.R. Lickorish: "On derivatives of link polynomials." Topology and Its Applications.

Rodica Simion: "Noncrossing partitions." Plenary lecture, Ninth International Conference on Formal Power Series and Algebraic Combinatorics.

Daniel Ullman: Fractional Graph Theory. Wiley.

Media and Public Affairs

Iean Folkerts, Stephen Lacy and Lucinda Davenport: Media in Your Life. Allyn & Bacon Publishers

Steven Livingston: "Beyond the CNN effect: The media-foreign policy dynamic." The News Media and Their Influences. Pippa Norris, ed.

Jarol B. Manheim: "The news shapers: Strategic communication as a third force in news making." The Politics of News: The News of Politics, Doris Graber, Denis McQuail and Pippa Norris, eds. Congressional Quarterly Press.

Christopher H. Sterling, James K. Bracken and Susan M. Hill: Editors, Mass Communication Research Resources: An Annotated Guide. Lawrence Erlbaum.

Lars Willnat, Zhou He and Hao Xiaoming: "Foreign media exposure and perceptions of Americans in Hong Kong, Shenzhen, and Singapore." Journalism and Mass Communication Quarterly.

Museum Studies

Kym S. Rice: "Creating history: The Valentine family and museum." (Exhibition review.) Journal of American History.

Music

Karen Ahlquist: "Remapping the landscape: Nineteenth-century music and the uses of history." Institute for Studies in American Music Newsletter.

Catherine J. Pickar: Editor-in-chief, Women and Music: A Journal of Gender and Culture.

Physics

T.P. Devereaux and A.P. Kampf: "Raman scattering in disordered unconventional superconductors." International Journal of Modern Physics B.

K.S. Dhuga, et. al.: "A coherent Bremsstrahlung facility for Jefferson Lab." Presented at the International Workshop on Physics with Radioactive Nuclear Beams.

S. Karataglidis and C. Bennhold: "Probing proton halos through pion photoproduction." Physical Review Letters.

T. Nagae, T. Miyachi, T. Fukuda, H. Outa, T. Tamagawa, J. Nakano, R.S. Hayano, H. Tamura, Y. Shimizu, K. Kubota, R.E. Chrien, R. Sutter, A. Rusek, W.J. Briscoe, R. Sawafta, E.V. Hungerford, A. Empl, W. Naing, C. Neerman, K. Johnston and M. Planinic: "Observation of a ^{4Σ}He bound state in the He(K, π) reaction at 600 MeV/c." Physical Review Letters.

D. Pang, B. Vidic, J. Rodgers, B.L. Berman and A. Dritschilo: "Atomic force microscopy imaging of DNA and DNA repair proteins: Applications in radiobiological research." Radiation Oncology Investigations.

William C. Parke: "Kinetic model of DNA cleavage by radiation." Physical Review.

M. A. Quraan, E.D. Hackett, E. Korkmaz, W.J. McDonald, A.K. Opper, N.L. Rodning, G. Feldman, N.R. Kolb, G.V. O'Rielly, R.E. Pywell and D.M. Skopik: "Final-state interactions in ${}^{2}H(y,pp\pi)$ near the $\Delta(1232)$ resonance." Physical Review.

M.P. Raphael, M.E. Reeves and E.F. Skelton: "Non-linear response of Type II superconductors: A new method of measuring the pressure dependence of the transition temperature, Tc(P)." Review of Scientific Instruments.

Political Science

David Auerswald: "Domestic institutions and international alliances in comparative perspective." Presented at the International Studies Association Annual Meeting.

Steven J. Balla and John R. Wright: "Advisory committees and congressional monitoring of the bureaucracy." Presented at the Annual Meeting of the Midwest Political Science Association.

Alasdair Bowie and Danny Unger: The Politics of Open Economies: Indonesia, Malaysia, the Philippines and Thailand. Cambridge University Press.

Harvey Feigenbaum, Jeffrey Henig and Chris Hamnett: Shrinking the State. Cambridge University Press.

James M. Goldgeier: "Psychology and Security." Security Studies.

Ieffrey R. Henig: "Patterns of school-level racial change in D.C. in the wake of Brown: Perpetual legacies of desegregation." PS: Political Science and Politics.

Carl A. Linden: Prepared the application, supporting argument and documentation for the nomination of the Monocacy Aqueduct of the C&O Canal National Historical Park as one of the "most endangered historic places" to the National Trust for Historic Preservation. The Trust has approved the nomination.

Forrest Maltzman: "Maintaining congressional committees: Sources of member support." Legislative Studies Quarterly.

Bernard Reich: Editor, Handbook of Political Science Research on the Middle Fast and North Africa, Greenwood Press.

Susan K. Sell: Power and Ideas: North-South Politics of Intellectual Property and Antitrust. State University of New York Press.

Lee Sigelman and Paul Wahlbeck: "The 'Veepstakes': Strategic choice in presidential running mate selection." American Political Science Review.

Iames McCall Smith: "One sovereign, two legal systems: China and the problem of commitment in Hong Kong." Presented at the Conference on Problematic Sovereignty, Stanford University.

Robert P. Stoker and Laura A. Wilson: "Verifying compliance: Social regulation and welfare reform." Public Administration Review

Paul I. Wahlbeck: "The life of the law: Iudicial politics and legal change." Journal of Politics.

James Willson-Quayle: "Ancient dreams and cultural memories: Textbooks, computers and education." Proteus: A Journal of Ideas.

Thomas R. Wolanin: "Diversity in American higher education and U.S. federal policy." Beyond Access: Diversity and Opportunity in Higher Education. Nederlands Centrum Buitenlanders.

Psychology

Robert Caplan: "Job loss and unemployment," Encyclopedia of Psychology. Oxford University Press and APA Books.

S. Dopkins and T. Gleason: "Comparing exemplar and prototype models of category learning." Canadian Journal of Psychology.

Robert W. Holmstrom, D.E. Silber and S.A. Karp: Personality of Sexual Assault Survivors: A comparison of seven groups of survivors. Society for Personality Assessment.

Stephen A. Karp and Linda E. Pattee: "Responses of mental hospital inpatients on the Draw-A-Person Questionnaire." Perceptual and Motor Skills.

R. Kimbrough, S.D. Molock and K. Walton: "Perception of social support, acculturation, depression, and suicidal ideation among African American college students at predominantly black and predominantly white universities." Journal of Negro Education.

L.R. Offermann: "Leading and empowering diverse followers." The Balance of Leadership and Followership, E.P. Hollander and L.R. Offermann, eds. Kellogg Foundation.

Erika Peterson: "Negotiation teamwork: The effect of information distribution and accountability depends upon the relationship among team members." Organizational Behavior and Human Decision Processes.

Rolf A. Peterson: "The illness effects questionnaire: Assessing perception of illness in medical patients." Evaluating Stress: A Book of Resources, C.P. Zalquett and R.J. Woods, eds. The Scarecrow Press.

Charles E. Rice: "Scenarios: The scientistpractitioner split and the future of psychology." American Psychology.

Religion

Paul Duff: "The sacrificial character of earliest Christianity." Religion.

Alfred Hiltebeitel and Barbara Miller: Hair: Its Power and Meaning in Asian Cultures. State University of New York Press.

Romance Languages and Literatures

Yvonne Captain: "The poetics of the quotidian in the works of Nancy Morejon." Singular Like a Bird: The Art of Nancy Morejon, Miriam DeCosta Willis, ed. Howard University Press.

Ellen W. Fcheverria: Reviewed, analyzed and led discussion with audience of El Publico, a play by Federico García Lorca at the Teatro de la Luna.

M.F. Ferretti: Appointed judge to award the 1998 Strege Award to the best Italian novel of the year.

Janet Hampton: "Black woman empowered: Portraits of the black woman in the poetry of Nancy Moreion." Singular Like a Bird: The Art of Nancy Morejon, Miriam DeCosta Willis, ed. Howard University Press.

Catherine A. Jolivet: "Comparing native and non-native speakers' error correction in foreign language writing." Texas Papers in Foreign Language Education. The University of Texas at Austin.

Gregory Ludlow: "Nakae Chomin's Min' Yaku Yakkai: A Japanese interpretation of Rousseau's Contrat Social."

Kevin Charles Smith: Editor, Domus Romanica.

Jean-François Thibault: "Gay tropiques ou l'inversion coloniale." Segalen vu d'Amerique. Cahiers Victor Segalen.

Isabel R. Vergara: "The poetics of fantastic literature." The Heirs of Ariadne.

Sociology

William J. Chambliss and Justin Baer: "Playing politics with crime statistics." Sage Race Relations Abstracts.

Honey W. Nashman and Patricia Sullivan: "Self-perception of the role of USOC sport psychologists in working with Olympic athletes." The Sport Psychologist.

Steven A. Tuch and Jack K. Martin: Editors, Racial Attitudes in the 1990s: Continuity and Change. Praeger.

Ruth A. Wallace: "The rectory as 'Home': An expansion of Goffman's Regional Concepts." Presented at the Annual Meeting of the Society for the Scientific Study of Religion.

Ronald Weitzer: "Racial prejudice among Korean merchants in African American neighborhoods." Sociological Quarterly.

Martin K. Whyte: "The fate of filial obligations in urban China." The China Journal.

Speech and Hearing

Linda M. Bland-Stewart: "Semantic development in African American toddlers exposed to cocaine." Seminars in Speech Language Pathology.

Lynette Goldberg: "Treatment outcomes: A comparison of clinician and client measures." Presented at the American Speech-Language-Hearing Association.

Craig W. Linebaugh, Christine R. Barron and Karen J. Corcoran: "Assessing treatment efficacy in acute aphasia: Paradoxes, presumptions, problems and principles." Aphasiology.

Theatre and Dance

Leslie Jacobson: Director, world premiere of Dear Esther, by Richard Rashke at U.S. National Holocaust Memorial Museum.

Joseph Mills: Performer, Circle Walker, a solo performance at The John F. Kennedy Center for the Performing Arts.

Alan Wade: Director, National Players Touring Company production of John Steinbeck's Of Mice and Men.

Maida Withers: Choreographer, "Nevertheless...Tenderness." Performed by Maida Withers and Sarah Slifer at the Venezuela International Dance Festival.

Stacy Wolf: "Never Gonna Be a Man/ Catch Me if You Can/I Won't Grow Up': A lesbian account of Mary Martin as Peter Pan." Theatre Journal.

School of Business and Public Management

Finance

Frederick Amling: "Amling on Investments." CD-ROM.

Isabelle Bajeux-Besnainou and Roland Portrait: "Dynamic asset allocation in a mean-variance framework." Management Science.

Theodore M. Barnhill, Jr.: "ValueCalc 2.0: Global portfolio valuation and risk management software." FinSoft, Inc.

Neil G. Cohen: "The first ten years in management education in transition, 1988-1998." Presented at the International Management Center Conference.

Mark J. Eppli and Charles Tu: "Valuing the new urbanism." Real Estate Economics.

William C. Handorf: International Banking, 3rd ed. Federal Financial Institutions Examination Council.

Paul S. Peyser: "Firm-theoretic limitations on Proposition III." Review of Quantitative Finance and Accounting.

James Minor Sachlis and William Handorf: "Commercial real estate lending: From ratios to the option pricing model." Real Estate Review.

International Business

Hossein Askari: Economic Development in the Countries of the GCC: The Curse and Blessing of Oil. JAI Press.

Reid W. Click: "Seigniorage in a crosssection of countries." Journal of Money, Credit, and Banking.

Scheherazade S. Rehman: The Path to European Economic and Monetary Union. Kluwer Academic Publishers.

Scheherazade S. Rehman: Editor, Financial Crisis Management in Regional Blocs. Kluwer Academic Publishers.

Liliana Schumacher: "The Argentine financial panic after the tequila shock." Financial Crisis Management in Regional Blocs, S. Rehman, ed. Kluwer Academic Publishers.

Hilary Shane and Mark Klock: "The relation between patent citations and Tobin's Q in the semiconductor industry." Review of Quantitative Finance and Accounting.

Hildy Teegen: "Valuation of new technology ventures." Handbook of Technology Management. CRC Press.

Robert Weiner: "Produit national brut. énergie et environment: révison méthodologique." Énergie et Développement Économique du Tiers-Monde: Problèmes et Politiques, A. Ayoub and B. Duhamel, eds. Economica.

Marketing

Pradeep A. Rau and Daniel R. Kane: "Marketing research ethics." Applied Ethics in Management. Springer-Verlag.

Public Administration

James E. Kee: "Dimensions of federalism in Medicaid reform," Public Administration Review.

Cynthia McSwain: "Jacques Lacan and the theory of the human subject: How psychoanalysis can help public administration." American Behavioral Scientist.

Michele Moser: "School-based budgeting: Increasing influence and information at the school level in Rochester, New York." Journal of Education Finance.

Kathryn Newcomer: Using Performance Measurement to Improve Public and Nonprofit Programs. Jossey Bass Publishers.

Stephen Joel Trachtenberg: "The future and present-day problems of education: An American perspective." Presented at the Proceedings of the Annual European Forum Alpbach on Knowledge—To What End? The Heritage and Future of Education.

Stephen Joel Trachtenberg: "Higher education has reason for rejoicing-but reason, too, for trying harder." *Academe*.

Tourism and Hospitality Management

Lisa Delpy: "An overview of sport tourism: Building towards a dimensional framework." *Journal of Vacation Marketing*.

Douglas C. Frechtling: "Toward conclusive measurement of tourism impact: Consumer durables in the tourism satellite account." Presented to the Sixth Meeting of the Steering Committee, World Tourism Organization. Joe Goldblatt: Editor, *The Complete Guide to Event and Meeting Coordination*.

Wendy Oden and Mitch Leventhal: "The virtual tourism environment." *Tourism Sustainability and Growth*, Salah Wahab and John Pigram, eds. Routledge.

Sheryl Spivack: "Health spa development in the U.S.: A burgeoning component of sport tourism." *Journal of Vacation Marketing*.

L. Yu: "Travel between politically divided China and Taiwan." *Journal of Pacific Asia Tourism Research*.

Graduate School of Education and Human Development

Counseling/Human and Organizational Studies

A. Casey: "Collective memory in organizations." Advances in Strategic Management: Organizational Learning and Strategic Management, P. Shrivastava, A. Huff and J. Dutton, eds. JAI Press.

Neal Chalofsky: "Professionalization Comes from Theory and Research." Presented at The Academy for Human Resource Development Annual Conference.

Sharon Confessore and Lindsey Smith: "Self-directed learning in emerging professions: Learning like the pros." Presented at the 1st International Conference on Self-Directed Learning.

Dail L. Fields and D.M. Herold: "Using the leadership practices inventory to measure transformational and transactional leadership." *Educational and Psychological Measurement*.

Jorge Garcia and Maria Cecilia Zea: *Psychological Interventions and Research with Latino Populations*. Allyn and Bacon.

Carol Hoare: "Ethical self; spiritual self: Wisdom and integrity in the writings of Erik H. Erikson." Spirituality, Creativity and Transcendence: Paths to Integrity and Wisdom in the Mature Self, Melvin E. Miller and Susanne Cook-Greuter, eds. Ablex Press.

Sylvia A. Marotta: "Counseling Latino clients: Cultural considerations for counseling." *Directions in Rehabilitation* Counseling.

Michael Marquardt: Technology-Based Learning: Maximizing Human Performance and Corporate Success. CRC Press.

Educational Leadership

Gary J. Confessore, Chija Kim-Cheong and Eumni Park: "Assessing the potential for lifelong learning in baccalaureate students: A comparative study of traditional and nontraditional students in Korea and the United States." Self-Directed Learning in Higher Education, P. Baveye, G. Pineau, N.A. Tremblay and R. Foucher, eds. Group for Interdisciplinary Research on Autonomy and Training.

Michael Corry: "User-centered design and usability testing of a website: An illustrative case study." *Educational Technology* Research and Development.

Patricia K. Freitag: "Reporting the Qualitative Richness of Student Performance." Presented at the annual meeting of the National Association for Research in Science Teaching.

Badrul Khan: Web-based Instruction. Educational Technology Publications.

William F. Lynch and M.D. Corry: "Faculty Recruitment, Training, and Compensation for Distance Education." *Technology and Teacher Education Annual*, 1998.

Dorothy A. Moore: "Leadership for Tomorrow—The International Education Questions." *Revista de Administraca*o *Pulica*.

Ralph Mueller: "Structural equation modeling: Back to basics." Structural Equation Modeling: A Multidisciplinary Journal.

Iris Rotberg: "Interpreting international test score comparisons." *Science*.

Henry Willett: "Aspects of religious freedom and American public education." Presented at Religious Freedom and Political Conflict in America, Virginia Wesleyan College.

Thomas R. Wolanin: "Diversity in American higher education and U.S. federal policy." Beyond Access: Diversity and Opportunity in Higher Education. Nederlands Centrum Buitenlanders.

Teacher Preparation and Special Education

Libby Hall and Richelle Johnson: "Nontraditional students in teacher preparation: Tracing their transition to teaching." Presented to the 78th Annual Meeting of the Association of Teacher Educators.

Marian Jarrett: "Linking curriculum and assessment: Using portfolios with special educators and young children." Presented to the Annual Conference of the Council for Exceptional Children.

Sharon Lynch: "Whose science for which Americans? World view and science education reform." *Educational Horizons*.

Frank J. Mosca: "Training teachers of students with emotional or behavioral disorders in professional development schools." Presented at the 21st Annual Conference on Severe Behavior Disorders of Children and Youth.

Victoria Youcha: "Issues of quality: Children with disabilities in child care." Presented at the Annual Convention of the Council for Exceptional Children.

School of Engineering and Applied Science Civil, Mechanical and **Environmental Engineering**

A. D. Cutler and C. H. Johnson: "Analysis of intermittency and probe data in a supersonic flow with injection." Experiments in Fluids. Springer-Verlag.

Charles A. Garris, Jr.: U.S. Patent 5,647,221: Pressure Exchanging Ejector and Refrigeration Apparatus and Method.

Charles A. Garris, Jr. and W.J. Wong: "A radial-flow pressure exchange ejector." Presented at the Third International Symposium on Pumping Machinery.

B.E. Green, J.L. Whitesides, R.L. Campbell and R.E. Mineck: "Method for the constrained design of natural laminar flow airfoils." Journal of Aircraft.

Azim Eskandarian, D. Marzougui and N.E. Bedewi: "Finite element model and validation of a surrogate crash test vehicle for impacts with roadside objects." International Journal of Crashworthiness Research.

James K. Hahn, Roger E. Kaufman, Adam B. Winick, Thurston Carleton, Youngser Park, Rob Lindeman, Kwang-Man Oh, Nadia Al-Ghereimil, Raymond J. Walsh, Murray Loew, Joanne Gerber and Siddarth Sankar: "Training environment for inferior vena cava filter placement." Proceedings of Medicine Meets Virtual Reality 6 and Studies in Health Technology and Informatics.

D.L. Jones and S.K. Zakriya: "Computerbased design optimization including cost and environmental factors." Computer-Aided Optimum Design of Structures V. Computational Mechanics Publications.

G. Keating, S. Bougher, R. Zurek and R. Tolson: "The structure of the upper atmosphere of Mars: In situ accelerometer measurements from Mars global surveyor." Science.

Vladislav Klein and P.C. Murphy: "Aerodynamic parameters of high performance aircraft estimated from wind tunnel and flight test data." Presented at the Symposium on System Identification for Integrated Aircraft Development and Flight Testing.

J.D. Lee: "A large strain elastic-plastic finite element analysis of rolling process." Computer Methods in Applied Mechanics and Engineering.

Mehrdad T. Manzari and Majid T. Manzari: "A mixed approach to finite element analysis of hyperbolic heat conduction problems." International Journal of Numerical Methods for Heat and Fluid Flow.

Michael K. Myers: "Radiation of sound from a point source in a short duct." NASA C.P. 3352.

Rumana Riffat: "Anaerobic processes." Water Environment Research.

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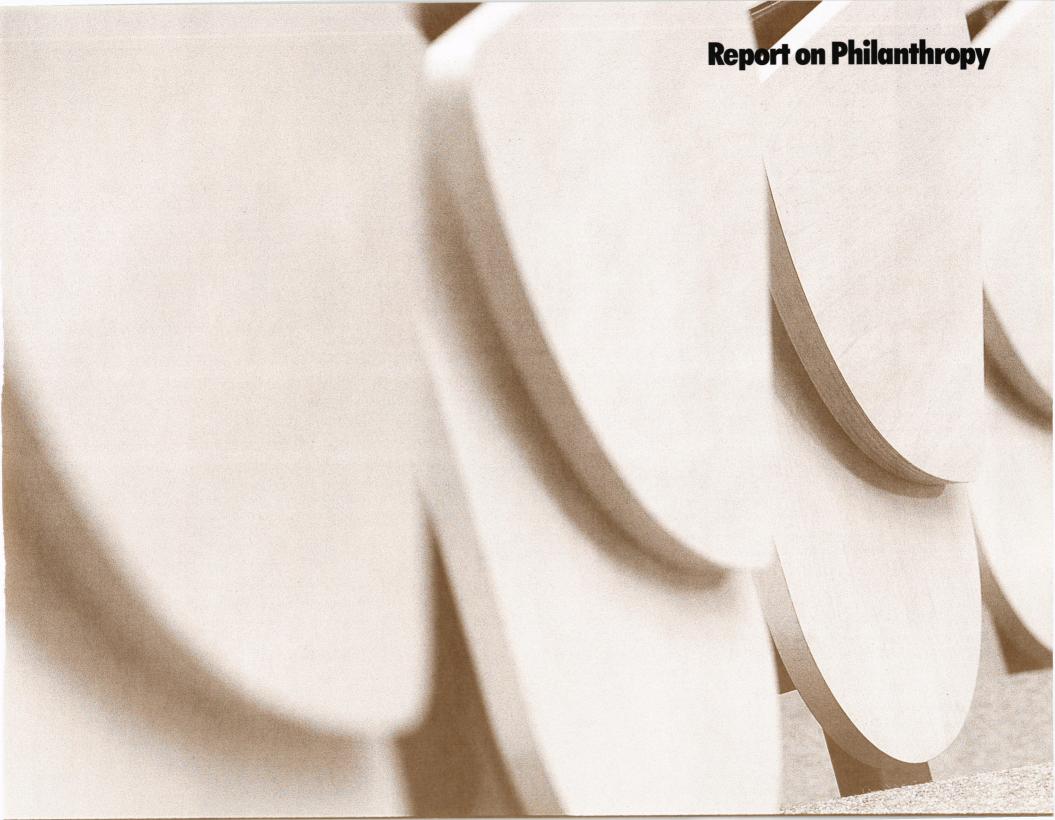
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R. Rodriguez Garcia and J. Russell, with M. Maddaleno and M. Kastrinakis: The Legislative and Policy Environment of Adolescent Health in Latin America and the Caribbean. Pan American Health Organization/WHO.

William F. Waters: "The Road of Many Returns: Rural Bases of the Informal Urban Economy." Latin American Perspectives.



Each gift received represents an individual's decision to make a gift, in turn reflecting that donor's relationship with the University and a unique human drama. As we look back on the past year, we see that 1997–1998 was another excellent year for the University's development programs. Support of the Centuries Campaign exceeded our original expectations, and indeed, the Board of Trustees has since expanded its goal to \$500 million. The evidence of this successful year can be seen in the lists of the University's most substantial donors included in this report.

But as we reflect on the year, what we remember most are the people and the stories behind the totals and the lists. The numbers can summarize the year, but they cannot portray it. Each gift received represents an individual's decision to make a gift, in turn reflecting that donor's relationship with the University and a unique human drama. A few examples help to illustrate what really happened this year. They provide snapshots of people and times, insights into history, and a better understanding of our University and the lives it touches.

Barely surviving the Holocaust, Dr. Laszlo N. Tauber came to America to pursue the medical career for which he had been trained. Accepting a fellowship at The George Washington University Hospital, he met Dr. Hugo V. Rizzoli, who became his lifelong friend. Dr. Tauber went on to great success in medicine and in business, but he never

forgot what Rizzoli's friendship had meant to him. On the occasion of Rizzoli's retirement from the GW faculty, Tauber pledged one million dollars to establish a chair in his honor. Reflecting upon his early experiences in America and his relationship with Rizzoli, Tauber wrote to President Trachtenberg, "In my desperate, hopeless situation, Hugo Rizzoli gave me back the firm conviction that people are basically good. That is what I received from Hugo Rizzoli. I will cherish this as long as I live."

Fifty years after Laszlo Tauber's arrival in America, the world was shocked by the brutal murder of the Prime Minister of Israel, Yitzak Rabin, GW alumnus and trustee Abe Pollin was deeply affected by the sudden death of his friend Rabin and determined to create a living memorial to the fallen world leader in the capital of the United States. Pollin undertook the leadership to create the Yitzak Rabin Memorial Chair in the Elliott School of International Affairs. With a generous gift from fellow GW alumnus Albert Abramson and support he solicited from other GW alumni and community friends, Pollin succeeded in raising more than two million dollars to endow the chair in

"The George Washington
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students from around the
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perpetuity as "a living memorial to the life of Yitzak Rabin as a soldier-statesman and a lasting symbol of his bold and unwavering commitment to peace."

Emilio Fernandez came to America from Cuba as a child with his family, seeking freedom and opportunity. After receiving his graduate degree in engineering from GW, he founded Pulse Electronics and became a leader in technology for the railroad industry. Later selling Pulse and becoming Vice Chairman of Westinghouse Air Brake Company, Fernandez sought a way to express his gratitude to the country and the university that had made his success possible. His decision was to make a substantial gift to support construction of the gateway enclosing the western entrance to the Mid-Campus Quad. Rather than name the gate for himself, Fernandez chose to name it "America's Gate" and to dedicate it to "the dynamic cultural diversity of the United States of America." On the plaque marking the gate, he reminds us that "Throughout its history, The George Washington University has welcomed students from around the world. This legacy of opportunity is the hallmark of its contribution to the Nation."

There is a human story behind every one of the nearly 22,000 gifts the University receives each year. Some gifts are large in amount, others are smaller. Some memorialize great people and events of historic importance; others reflect a donor's personal experience at the University and gratitude for what GW contributed to the richness of his or her own life. All of these gifts symbolize an individual's impulse to give something back, to help others, and to make the future better.

The George Washington University is the common thread that ties all of them, and all of that, together across generations. It is an institution built upon the best in people. It is a monument to their finest instincts and noblest aspirations. We are grateful to all of those who are listed in this year's Philanthropy Report and we are honored by their decisions to associate their names with ours.

Michael J. Worth Vice President for Development and Alumni Affairs

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Through its donor recognition societies, The George Washington University gratefully acknowledges the generosity of its benefactors. All individuals who contributed gifts in the amounts indicated in the fiscal year 1997–1998 to any part of the University or the Medical Center, for any purpose, are included as members of these societies. It is with gratitude that we recognize these individuals.

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The George Washington Society is the University's highest level of donor recognition. Its members are leaders in philanthropic support for the University and its programs. Lifetime membership is granted to those individuals who have made outright gifts of cash, securities, or marketable property, including irrevocable planned gifts, totaling \$100,000 or more.

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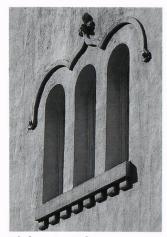
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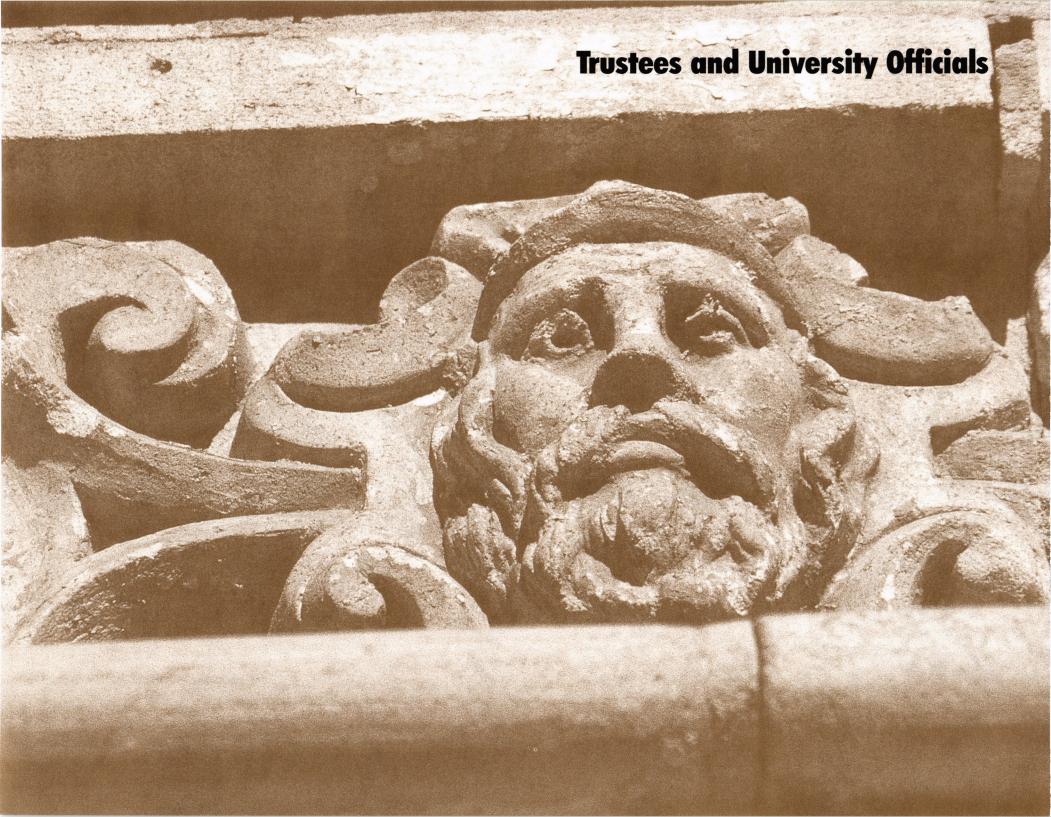
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1998 President's Report

Produced by The George Washington University Office of University Relations. Design by Frank Glickman Inc. Photography by Jon Goell

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David A. Grier
Director, University Honors Program
Assistant Professor, Statistics

The title of this report, "The GW Campus as a Work of Art," was inspired by Thomas A. Gaines's book entitled *The Campus as a Work of Art.*

Special thanks to the GW office of Architecture, Engineering, and Construction and its director, Michelle Honey, for their fine help in providing us with information and materials essential to this report.

